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APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
08/526,714	09/11/95	ADITYA	V 042390.P3026

EXAMINER	
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B3M1/0326  
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ENG. ID	ART UNIT	PAPER NUMBER
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2315 *J*

DATE MAILED: 03/26/97

This is a communication from the examiner in charge of your application.  
COMMISSIONER OF PATENTS AND TRADEMARKS

### OFFICE ACTION SUMMARY

Responsive to communication(s) filed on \_\_\_\_\_  
 This action is FINAL.  
 Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 D.C. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire Three month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

#### Disposition of Claims

Claim(s) 1 - 21 is/are pending in the application.  
Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 Claim(s) \_\_\_\_\_ is/are allowed.  
 Claim(s) 1 - 21 is/are rejected.  
 Claim(s) \_\_\_\_\_ is/are objected to.  
 Claim(s) \_\_\_\_\_ are subject to restriction or election requirement.

#### Application Papers

See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.  
 The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.  
 The proposed drawing correction, filed on \_\_\_\_\_ is  approved  disapproved.  
 The specification is objected to by the Examiner.  
 The oath or declaration is objected to by the Examiner.

#### Priority under 35 U.S.C. § 119

Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).  
 All  Some\*  None of the CERTIFIED copies of the priority documents have been  
 received.  
 received in Application No. (Series Code/Serial Number) \_\_\_\_\_  
 received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e).

#### Attachment(s)

Notice of Reference Cited, PTO-892  
 Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_  
 Interview Summary, PTO-413  
 Notice of Draftsperson's Patent Drawing Review, PTO-948  
 Notice of Informal Patent Application, PTO-152

-SEE OFFICE ACTION ON THE FOLLOWING PAGES-

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Applicants are requested to provide the missing information of the related application on page 1 of the specification.

Claims 1-21 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 3 fails to recite which parent claim it is depending on.

With respect to all the claims, the claims recite that the buffer is connected between a parallel side and a serial side. However, the claim combination fails to recite how the data flows through those two sides to reach the buffer and the network link. See claims 2 and 6 for examples, the flow of data is recited as though there are no parallel side and serial side on both sides of the buffer.

In line 3 of claim 6, "form" should be "from".

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hausman in view of Copeland.

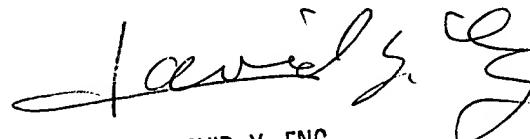
See at least Figures 1 -2 and 4-6 and the corresponding description in the specification of Hausman. Figures 1-2 show an adapter between a host system bus and a network link. The

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adapter includes a FIFO for transceiving data between the system bus and the network link.

Figures 4-6 show how the FIFO is controlled so as to reduce latency in a manner as claimed.

Further with respect to claims directed to statistics recording, Figure 4B in Hausman shows that statistics of the adapter are also recorded. Hausman does not explicitly show that data through the adapter is required to be serially and parallelly converted. It is well known that host operates data in parallel and the network link in serial and that a serial/parallel converter is required between a host and a network link. Copeland teaches an adapter between a host and a network link. The adapter contains an UART for parallel/serial conversion. From the teaching of Copeland, one of ordinary skill in the art should readily recognize that Hausman's adapter also contains a serial/parallel converter.



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